

Abstract

The invention relates to a field device (1) for monitoring and/or determining a process variable of a medium, wherein the process variable preferably is fill level, viscosity or density of the medium. The field device includes: an oscillatable unit (10); a driving/receiving unit (11), which excites the oscillatable unit (10) to oscillate, or which receives the oscillations of the oscillatable unit (10), as the case may be; and a control/evaluation unit (12), which controls the oscillations of the oscillatable unit (10), or which evaluates the oscillations of the oscillatable unit (10). The invention includes that the control/evaluation unit (12) produces an accretion alarm, when the oscillation frequency (f) of the oscillations of the oscillatable unit (10) falls below an adjustable limit value ($G; G_{\text{Minimum}}; G_{\text{Maximum}}$). The limit value ($G; G_{\text{Minimum}}; G_{\text{Maximum}}$) is determinable and/or calculable at least from measured and/or calculated dependencies of the oscillation frequency on process conditions and/or on the process variable to be monitored and/or determined.

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(Fig. 1)